

10/54 2,880

Yong Chu

11-27-2006

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NEWS 4 AUG 28 ADISCTI Reloaded and Enhanced
NEWS 5 AUG 30 CA(SM)/Capius(SM) Austrian patent law changes
NEWS 6 SEP 11 CA/Capius enhanced with more pre-1907 records
NEWS 7 SEP 21 CA/Capius fields enhanced with simultaneous left and right
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NEWS 8 SEP 25 CA(SM)/Capius(SM) display of CA Lexicon enhanced
NEWS 9 SEP 25 CAS REGISTRY(SM) no longer includes Concord 3D coordinates
NEWS 10 SEP 25 CAS REGISTRY(SM) updated with amino acid codes for pyrrollysine
NEWS 11 SEP 28 CEABA-VTB classification code fields reloaded with new
classification scheme
NEWS 12 OCT 19 LOGOFF HOLD duration extended to 120 minutes
NEWS 13 OCT 19 E-mail format enhanced
NEWS 14 OCT 23 Option to turn off MARPAT highlighting enhancements available
NEWS 15 OCT 23 CAS Registry Number crossover limit increased to 300,000 in
multiple databases
NEWS 16 OCT 23 The Derwent World Patents Index suite of databases on STN
has been enhanced and reloaded
NEWS 17 OCT 30 CHEMLIST enhanced with new search and display field
NEWS 18 NOV 03 JAPIO enhanced with IPC 8 features and functionality
NEWS 19 NOV 10 CA/Capius F-Term thesaurus enhanced
NEWS 20 NOV 10 STN Express with Discover! free maintenance release Version
8.01c now available
NEWS 21 NOV 13 CA/Capius pre-1967 chemical substance index entries enhanced
with preparation role
NEWS 22 NOV 20 CAS Registry Number crossover limit increased to 300,000 in
additional databases
NEWS 23 NOV 20 CA/Capius to MARPAT accession number crossover limit increased
to 50,000
NEWS 24 NOV 20 CA/Capius patent kind codes will be updated

NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

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FILE 'HOME' ENTERED AT 07:31:32 ON 27 NOV 2006

=>

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

ENTRY

TOTAL

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 07:31:50 ON 27 NOV 2006

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STRUCTURE FILE UPDATES: 26 NOV 2006 HIGHEST RN 913953-45-4

DICTIONARY FILE UPDATES: 26 NOV 2006 HIGHEST RN 913953-45-4

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TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

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<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Documents and Settings\ychu\Desktop\Case\10542880\10542880.str

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 07:32:17 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 179 TO ITERATE

100.0% PROCESSED 179 ITERATIONS

31 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 2778 TO 4382

PROJECTED ANSWERS: 286 TO 954

L2 31 SEA SSS SAM L1

=>

Uploading C:\Documents and Settings\ychu\Desktop\Case\10542880\10542880A.str

L3 STRUCTURE UPLOADED

=> d

L3 HAS NO ANSWERS

L3 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s l3

SAMPLE SEARCH INITIATED 07:35:46 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 4 TO ITERATE

100.0% PROCESSED 4 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 4 TO 200

PROJECTED ANSWERS: 0 TO 0

L4 0 SEA SSS SAM L3

=> s l3 full

FULL SEARCH INITIATED 07:36:29 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 78 TO ITERATE

100.0% PROCESSED 78 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L5 0 SEA SSS FUL L3

=>

Uploading C:\Documents and Settings\ychu\Desktop\Case\10542880\10542880A-1.str

L6 STRUCTURE UPLOADED

=> d

L6 HAS NO ANSWERS

L6 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s l6

SAMPLE SEARCH INITIATED 07:41:59 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 139 TO ITERATE

100.0% PROCESSED 139 ITERATIONS 20 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 2073 TO 3487

PROJECTED ANSWERS: 132 TO 668

L7 20 SEA SSS SAM L6

=> file caplus
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
175.30	175.51

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 07:43:38 ON 27 NOV 2006
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FILE COVERS 1907 - 27 Nov 2006 VOL 145 ISS 23
FILE LAST UPDATED: 26 Nov 2006 (20061126/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

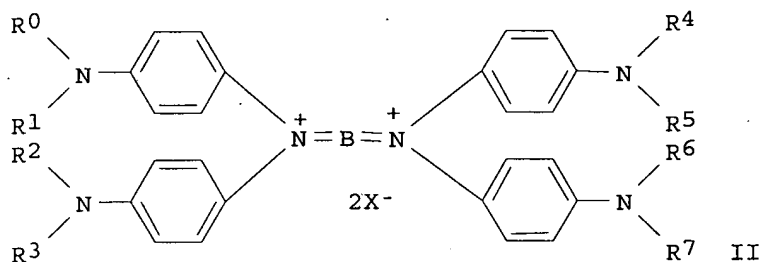
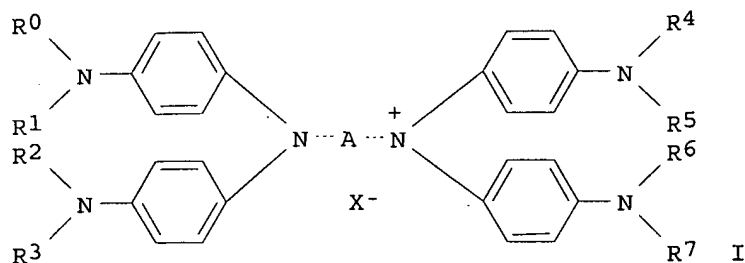
<http://www.cas.org/infopolicy.html>

=> s l7
L8 26 L7

=> d ibib abs hitstr 15-26

L8 ANSWER 15 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1994:712146 CAPLUS
DOCUMENT NUMBER: 121:312146
TITLE: IR-absorbing compound and optical recording medium
using same
INVENTOR(S): Mihara, Cheko; Tamura, Miki; Santo, Takeshi; Sugata,
Hiroyuki
PATENT ASSIGNEE(S): Canon Kk, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 109 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
JP 06024146	A2	19940201	JP 1993-110576	19930512
PRIORITY APPLN. INFO.:			JP 1992-145046	A1 19920512
GI				



AB The title compd. has a formula I. or II (R0-7= H, monovalent org. residue while at least 1 of them contains F; or at least 1 group of R0 and R1, R2 and R3, R4 and R5 and R6 and R7 being atoms required to form a F-contg. 5-7-membered ring with N while others being H, monovalent org. residue; A, B = specified arom. group; X = anion). The recording medium contains the above compd. in its recording layer. The compd. shows good soly. and heat resistance to give recording medium with superior light and heat-resistance.

IT 159253-30-2

RL: USES (Uses)

(IR-absorbent, optical recording medium using)

RN 159253-30-2 CAPLUS

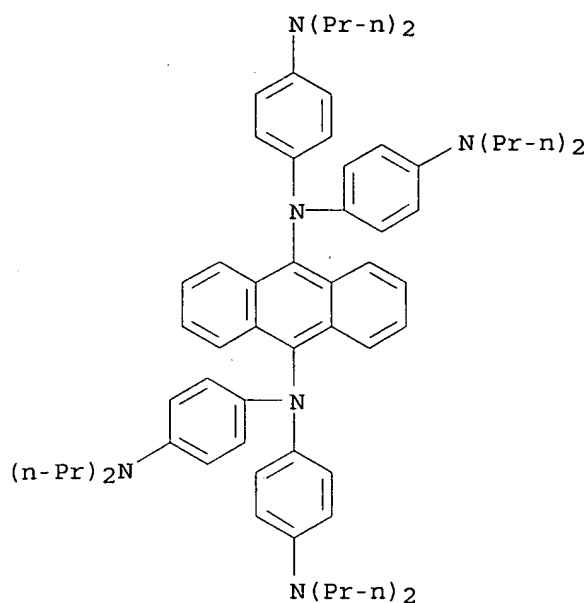
CN Antimonate(1-), hexafluoro-, (OC-6-11)-, salt with N,N,N',N'-tetrakis[4-(dipropylamino)phenyl]-9,10-anthracenediamine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 159253-18-6

CMF C62 H80 N6

CCI RIS

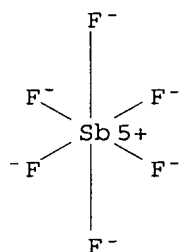


CM 2

CRN 17111-95-4

CMF F6 Sb

CCI CCS



L8 ANSWER 16 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1993:10626 CAPLUS

DOCUMENT NUMBER: 118:10626

TITLE: Manufacture of infrared- and ultraviolet-absorbing automotive windows

INVENTOR(S): Ishiguro, Michio; Aoyama, Tsuyoshi; Isa, Isao

PATENT ASSIGNEE(S): Japan Carlit Co., Ltd., Japan; Toyota Motor Corp.

SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 04160037	A2	19920603	JP 1990-253714	19901024
PRIORITY APPLN. INFO.:			JP 1990-253714	19901024
OTHER SOURCE(S): MARPAT 118:10626				

AB The process comprises coating automotive glass with a compn. contg. org. UV absorbents, org. IR absorbents, thin film-forming resins, and solvents,

and forming a thin film on the glass surface by evaporative drying of the solvents. The resulting windows prevent sunburn, deterioration of the interior, and excessive heat inside automobiles.

IT 102278-59-1

RL: USES (Uses)

(UV absorbent, coating materials contg. IR absorbent and resin and, coating with, of glass for automotive windows)

RN 102278-59-1 CAPLUS

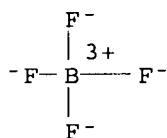
CN 1,4-Benzenediamine, N,N,N',N'-tetrakis[4-(diethylamino)phenyl]-, mono[tetrafluoroborate(1-)] (9CI) (CA INDEX NAME)

CM 1

CRN 16872-11-0

CMF B F4 . H

CCI CCS

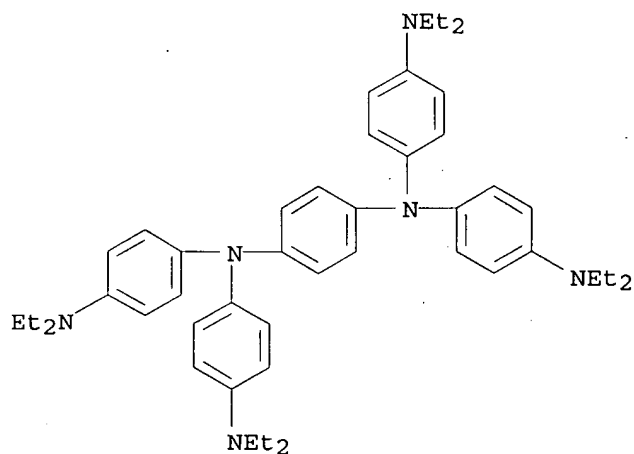


● H⁺

CM 2

CRN 3956-73-8

CMF C46 H60 N6



L8 ANSWER 17 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1992:162594 CAPLUS

DOCUMENT NUMBER: 116:162594

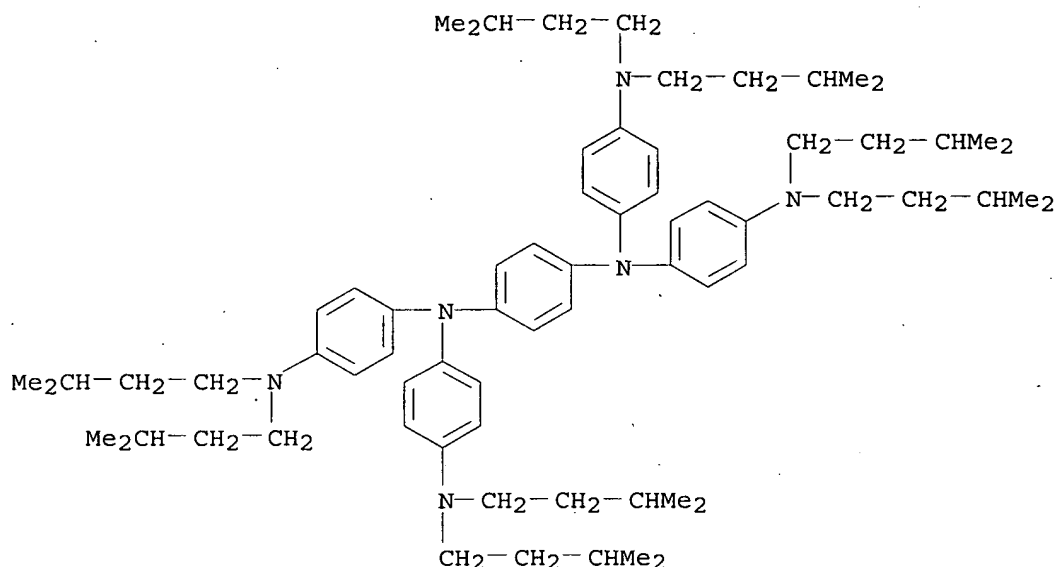
TITLE: Erasable optical recording medium

INVENTOR(S): Omichi, Takahiro; Jo, Hisashi; Kawaguchi, Takeyuki; Iwata, Kaoru

PATENT ASSIGNEE(S): Teijin Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.

RN 485831-61-6 CAPLUS
 CN 1,4-Benzenediamine, N,N,N',N'-tetrakis[4-[bis(3-methylbutyl)amino]phenyl]-
 (9CI) (CA INDEX NAME)



L11 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1989:448259 CAPLUS
 DOCUMENT NUMBER: 111:48259
 TITLE: Heat-mode optical information recording medium
 INVENTOR(S): Hamada, Emiko; Shin, Ariake; Ishiguro, Takashi
 PATENT ASSIGNEE(S): Taiyo Yuden Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 01040390	A2	19890210	JP 1987-197154	19870806
JP 07004982	B4	19950125		

PRIORITY APPLN. INFO.: JP 1987-197154 19870806

GI For diagram(s), see printed CA Issue.

AB The title medium contains indolenine-type cyanine I [A1-2 = at. groups forming (substituted) benzene, (substituted) naphthalene; B = -CH:CHCH:CHCH: (substituted with halo, alkyl, alkoxy, ring, etc.); R1-2 = (substituted) alkyl, alkoxy, alkylhydroxy, aralkyl, alkenyl, alkylcarboxy (linked to alkali metal ion or alkyl), alkylsulfonyl (linked to alkali metal ion or alkyl); X1 = halo, HClO4, HBF4, PhSO3H, toluenesulfonic acid, alkylsulfonic acid, benzenecarboxylic acid, alkylcarboxylic acid, trifluoromethylcarboxylic acid; X1 may be substituted with alkali metal ion in R1-2], and amines II [R3 = H, alkyl; X2 = halo, HClO4, HBF4, fluorinated carboxylic acid, SbF6, AsF6, etc.; n = 1-4]. Thus, an epoxy resin plate was spin-coated with a CH2ClCH2Cl soln. of cyanine III and amine IV to give the title recording medium. Recording with 780 nm semiconductor laser by using the medium showed carrier-to-noise ratio 50 dB.

IT 106152-89-0, IRG 003

RL: TEM (Technical or engineered material use); USES (Uses)
 (optical recording medium contg., IRG 003)

FILE COVERS 1907 - 27 Nov 2006 VOL 145 ISS 23
FILE LAST UPDATED: 26 Nov 2006 (20061126/ED)

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=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.46	240.97
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-9.00

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DICTIONARY FILE UPDATES: 26 NOV 2006 HIGHEST RN 913953-45-4

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experimental property data in the original document. For information
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=> s l6 full

FULL SEARCH INITIATED 07:48:58 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 2522 TO ITERATE

100.0% PROCESSED 2522 ITERATIONS 312 ANSWERS
SEARCH TIME: 00.00.02

L9 312 SEA SSS FUL L6

=> file caplus

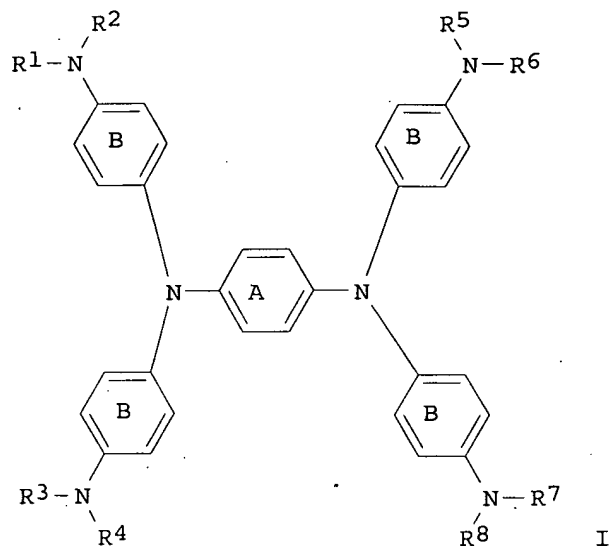
COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	166.94	407.91
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-9.00

FILE 'CAPLUS' ENTERED AT 07:49:05 ON 27 NOV 2006
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Current application-

OTHER SOURCE(S):
GI

MARPAT 141:197141



AB A near-IR absorbing filter which does not contain Sb, As or the like and is excellent in heat resistance is disclosed. The near-IR absorbing filter is characterized by contg. a compd. composed of a salt of cations obtained by oxidizing substance represented by I [rings A and B may have substituents; and R1-8 = alkyl, cycloalkyl, alkenyl and aryl groups having 1-8 C atoms] and anions (X), which are alkylsulfonic acid ions having 1-8 C atoms that are necessary for neutralizing the cations and not substituted or may be substituted with a halogen atom, a lower alkoxy group, a cyano group, or a hydroxyl group. The near-IR absorbing filter is useful in making a plasma display panel.

IT 737008-72-9P 737008-73-0P 737008-74-1P
737008-77-4P 737008-79-6P 737008-82-1P

RL: DEV (Device component use); MOA (Modifier or additive use); SPN (Synthetic preparation); PREP (Preparation); USES (Uses)
(near-IR absorbing compd. and near-IR absorbing filter)

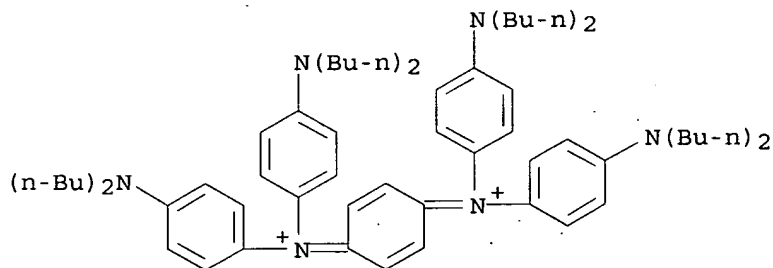
RN 737008-72-9 CAPLUS

CN Benzenaminium, N,N'-2,5-cyclohexadiene-1,4-diylidenebis[4-(dibutylamino)-N-[4-(dibutylamino)phenyl]-, salt with trifluoromethanesulfonic acid (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 47911-98-8

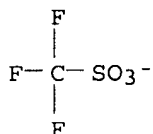
CMF C62 H92 N6



CM 2

CRN 37181-39-8

CMF C F3 O3 S



RN 737008-73-0 CAPLUS

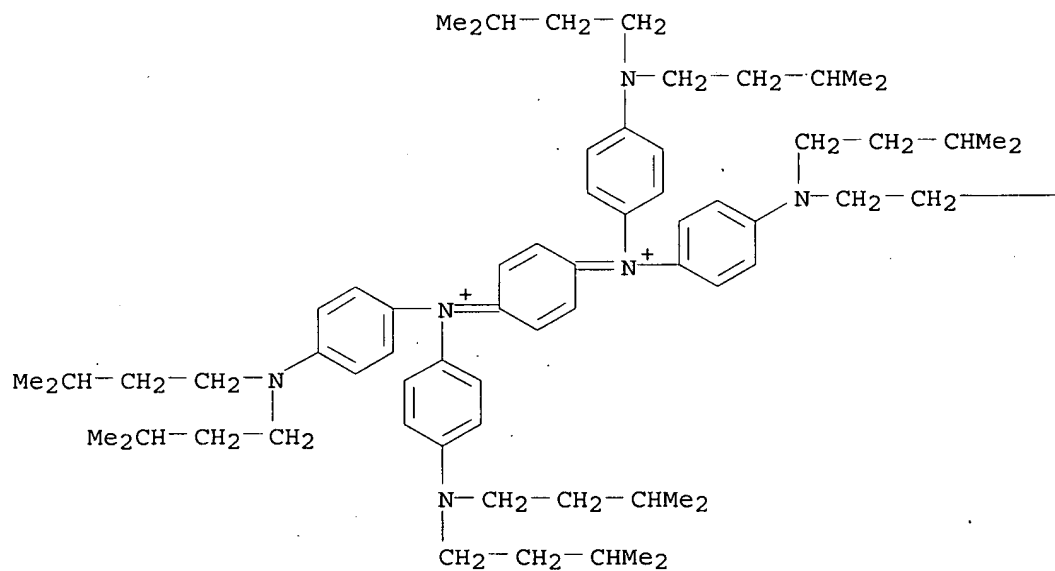
CN Benzenaminium, N,N'-2,5-cyclohexadiene-1,4-diylidenebis[4-[bis(3-methylbutyl)amino]-N-[4-[bis(3-methylbutyl)amino]phenyl]-, salt with trifluoromethanesulfonic acid (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 485831-25-2

CMF C70 H108 N6

PAGE 1-A



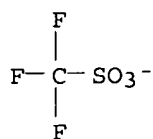
PAGE 1-B

—CHMe2

CM 2

CRN 37181-39-8

CMF C F3 O3 S



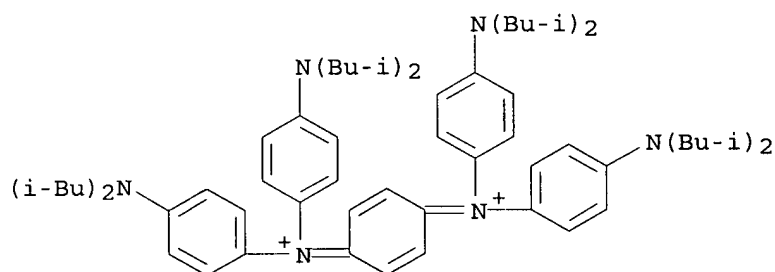
RN 737008-74-1 CAPLUS

CN Benzenaminium, N,N'-2,5-cyclohexadiene-1,4-diylidenebis[4-[bis(2-methylpropyl)amino]-N-[4-[bis(2-methylpropyl)amino]phenyl]-, salt with trifluoromethanesulfonic acid (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 485831-20-7

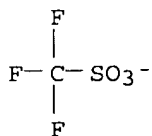
CMF C62 H92 N6



CM 2

CRN 37181-39-8

CMF C F3 O3 S



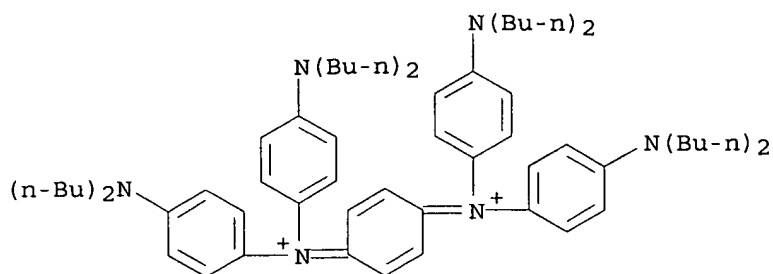
RN 737008-77-4 CAPLUS

CN Benzenaminium, N,N'-2,5-cyclohexadiene-1,4-diylidenebis[4-(dibutylamino)-N-[4-(dibutylamino)phenyl]-, salt with 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonic acid (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 47911-98-8

CMF C62 H92 N6



CM 2

CRN 45187-15-3

CMF C4 F9 O3 S

$-\text{O}_3\text{S}-(\text{CF}_2)_3-\text{CF}_3$

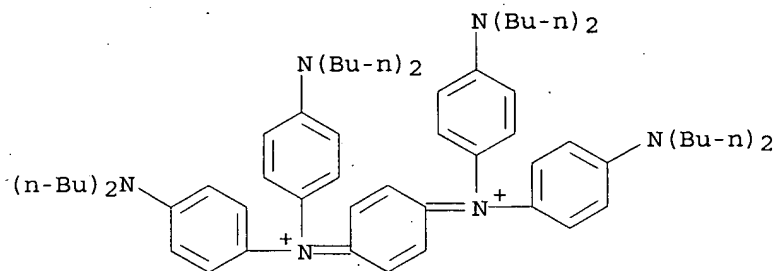
RN 737008-79-6 CAPLUS

CN Benzenaminium, N,N'-2,5-cyclohexadiene-1,4-diylidenebis[4-(dibutylamino)-N-[4-(dibutylamino)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluoro-1-octanesulfonic acid (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 47911-98-8

CMF C62 H92 N6



CM 2

CRN 45298-90-6

CMF C8 F17 O3 S

$-\text{O}_3\text{S}-(\text{CF}_2)_7-\text{CF}_3$

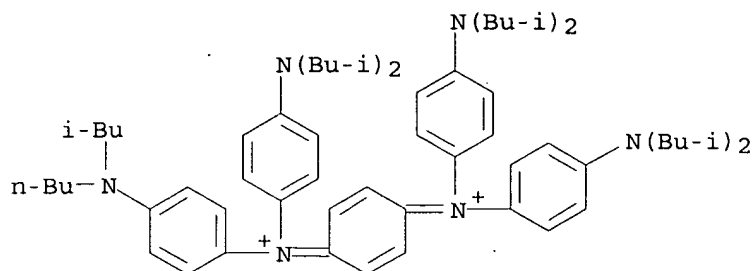
RN 737008-82-1 CAPLUS

CN Benzenaminium, N-[4-[bis[4-[bis(2-methylpropyl)amino]phenyl]iminio]-2,5-cyclohexadien-1-ylidene]-4-[bis(2-methylpropyl)amino]-N-[4-[butyl(2-methylpropyl)amino]phenyl]-, salt with trifluoromethanesulfonic acid (1:2) (9CI) (CA INDEX NAME)

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CRN 737008-81-0

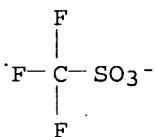
CMF C62 H92 N6



CM 2

CRN 37181-39-8

CMF C F3 O3 S



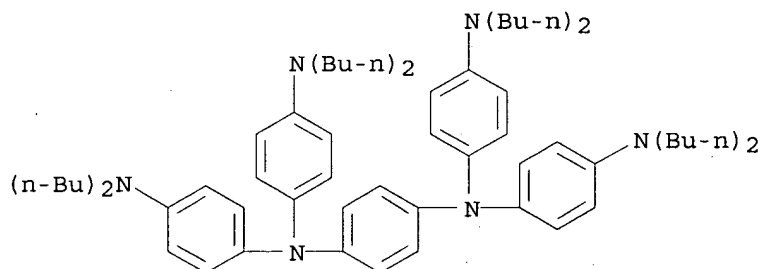
IT 4182-80-3 485831-34-3 485831-61-6

RL: RCT (Reactant); RACT (Reactant or reagent)

(near-IR absorbing compd. and near-IR absorbing filter)

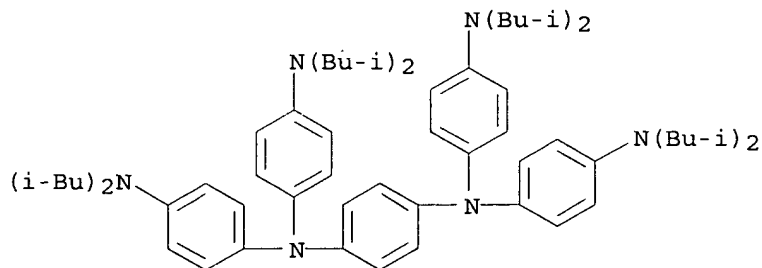
RN 4182-80-3 CAPLUS

CN 1,4-Benzenediamine, N,N,N',N'-tetrakis[4-(dibutylamino)phenyl] - (9CI) (CA INDEX NAME)



RN 485831-34-3 CAPLUS

CN 1,4-Benzenediamine, N,N,N',N'-tetrakis[4-[bis(2-methylpropyl)amino]phenyl] - (9CI) (CA INDEX NAME)



DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03121890	A2	19910523	JP 1989-258882	19891005
PRIORITY APPLN. INFO.:			JP 1989-258882	19891005

AB The erasable optical recording medium on a substrate is composed of an expansion layer contg. a resin (P1) elastic at room temp. and a near-IR-absorbing dye (D1) and a retaining layer contg. a resin (P2) capable of reversibly changing state between glass state at room temp. and rubber state at a higher temp. This recording medium is characterized in that (1) D1 and D2 show different absorption max. in near-IR region, (2) D1 and D2 are dispersed in P1 and P2 at 5 - 30 phr, resp., (3) the layer (A) and/or (B) contain aminium and/or diimonium compd. stabilizing agent 5 - 30 phr in the corresponding resin, and (4) the sum of the dyes and the stabilizing agent is .ltoreq.40 phr of the total amt. of the resin.

IT 102279-11-8 139889-50-2

RL: USES (Uses)

(erasable optical recording medium contg.)

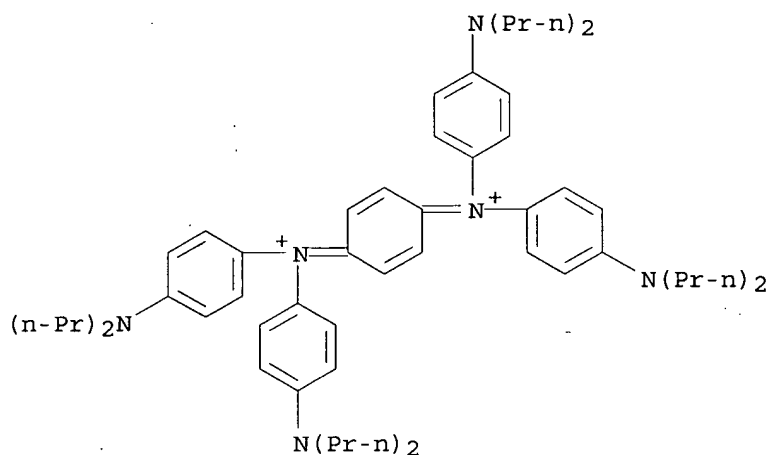
RN 102279-11-8 CAPLUS

CN Benzenaminium, N,N'-2,5-cyclohexadiene-1,4-diylidenebis[4-(dipropylamino)-N-[4-(dipropylamino)phenyl]-, bis[hexafluoroarsenate(1-)] (9CI) (CA INDEX NAME)

CM 1

CRN 47901-45-1

CMF C54 H76 N6

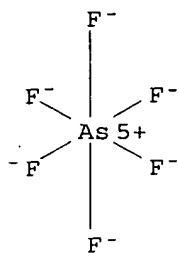


CM 2

CRN 16973-45-8

CMF As F6

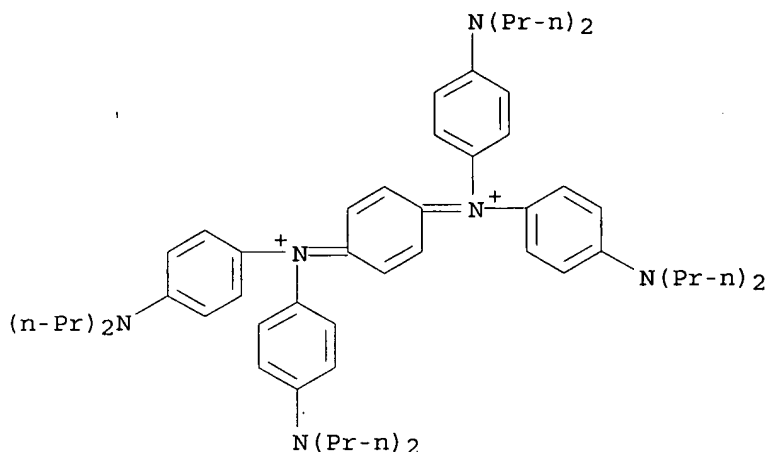
CCI CCS



RN 139889-50-2 CAPLUS
 CN Benzenaminium, N,N'-2,5-cyclohexadiene-1,4-diylidenebis[4-(dipropylamino)-N-[4-(dipropylamino)phenyl]-, diperchlorate (9CI) (CA INDEX NAME)

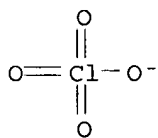
CM 1

CRN 47901-45-1
 CMF C54 H76 N6



CM 2

CRN 14797-73-0
 CMF Cl O4

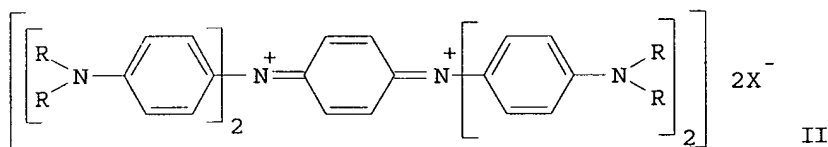
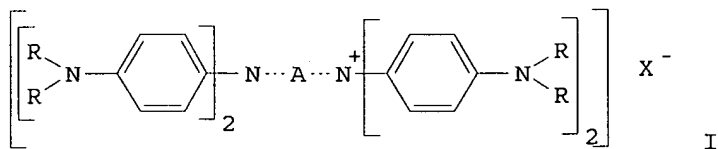


L8 ANSWER 18 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1989:544196 CAPLUS
 DOCUMENT NUMBER: 111:144196
 TITLE: Optical recording medium
 INVENTOR(S): Oguchi, Yoshihiro; Sugata, Hiroyuki; Miura, Kyo;
 Fukui, Tetsuro; Takasu, Yoshio
 PATENT ASSIGNEE(S): Canon K. K., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 25 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent

LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63226642	A2	19880921	JP 1987-258807	19871014
US 4923390	A	19900508	US 1988-227862	19880802
PRIORITY APPLN. INFO.:			JP 1986-244609	A1 19861014
			JP 1986-253301	A1 19861023
			JP 1987-194597	A 19870804
			US 1987-106820	B2 19871013

GI



AB An optical recording medium contains .gtoreq.1 polymethine dyes and a compd. selected from an aminium compd. (I) [R = H, alkyl; A = phenylene, biphenylene; Xe = anion], and a diimonium compd. (II) [R = H, alkyl; X- = anion]. The material shows superior writing and reading capabilities and good shelf life.

IT 102279-11-8

RL: TEM (Technical or engineered material use); USES (Uses)
 (optical recording medium using)

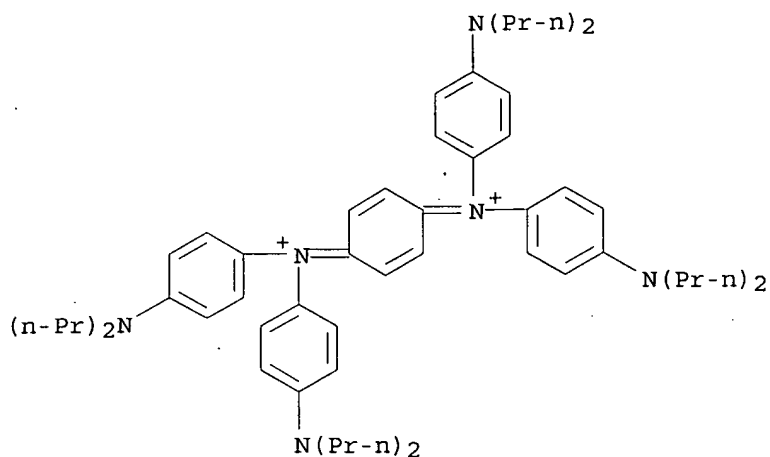
RN 102279-11-8 CAPLUS

CN Benzenaminium, N,N'-2,5-cyclohexadiene-1,4-diylidenebis[4-(dipropylamino)-N-[4-(dipropylamino)phenyl]-, bis[hexafluoroarsenate(1-)] (9CI) (CA INDEX NAME)

CM 1

CRN 47901-45-1

CMF C54 H76 N6

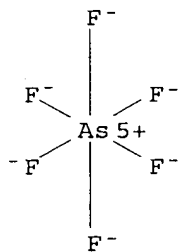


CM 2

CRN 16973-45-8

CMF As F6

CCI CCS



L8 ANSWER 19 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1989:448215 CAPLUS
 DOCUMENT NUMBER: 111:48215
 TITLE: Optical recording medium containing diazulenium salt
 INVENTOR(S): Oguchi, Yoshihiro; Santoh, Tsuyoshi
 PATENT ASSIGNEE(S): Canon K. K., Japan
 SOURCE: Eur. Pat. Appl., 75 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 295144	A1	19881214	EP 1988-305358	19880610
EP 295144	B1	19930317		
R: DE, FR, GB				
JP 63309497	A2	19881216	JP 1987-145305	19870612
JP 08013572	B4	19960214		
JP 63312186	A2	19881220	JP 1987-146975	19870615
JP 08018461	B4	19960228		
US 4921780	A	19900501	US 1988-204255	19880609
PRIORITY APPLN. INFO.:			JP 1987-145305	A 19870612
			JP 1987-146975	A 19870615

GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB An optical recording medium comprises an org. thin film contg. an azulenium salt of the formula I or II [R1-R14 = H, halogen, org. residue; any 2 adjacent substituents may form a fused ring; A = an org. residue]. The recording layer optionally contains an aminium salt compd. The recording material is suitable for recording with a semiconductor laser for an optical disk or an optical card. Thus, an org. recording layer contained III which produced records with a low noise level.

IT 102279-11-8

RL: USES (Uses)

(optical recording medium contg. diazulenium salt compd. and)

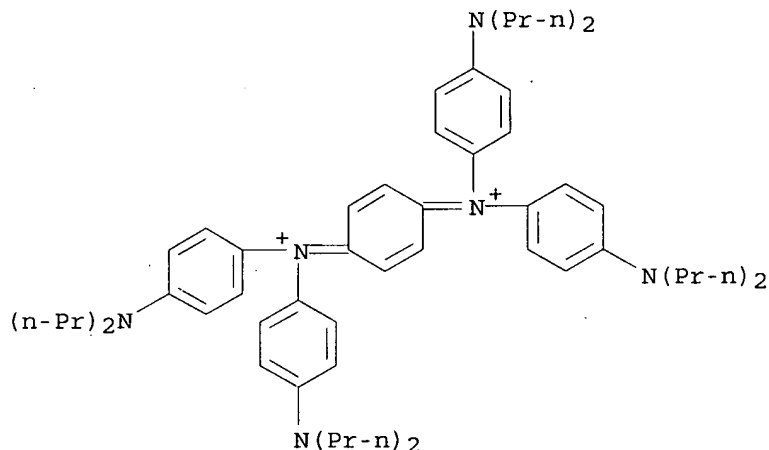
RN 102279-11-8 CAPLUS

CN Benzenaminium, N,N'-2,5-cyclohexadiene-1,4-diylidenebis[4-(dipropylamino)-N-[4-(dipropylamino)phenyl]-, bis[hexafluoroarsenate(1-)] (9CI) (CA INDEX NAME)

CM 1

CRN 47901-45-1

CMF C54 H76 N6

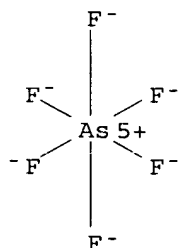


CM 2

CRN 16973-45-8

CMF As F6

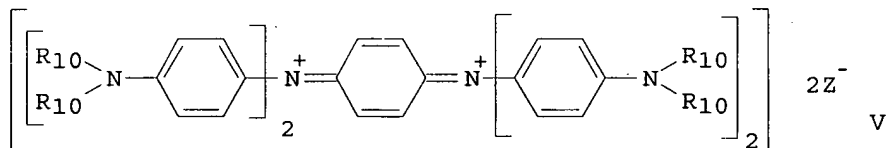
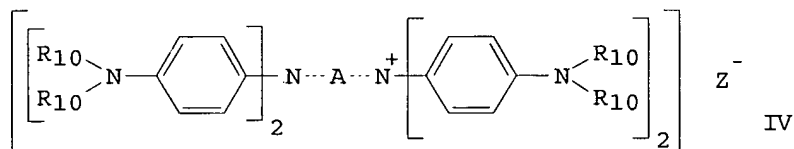
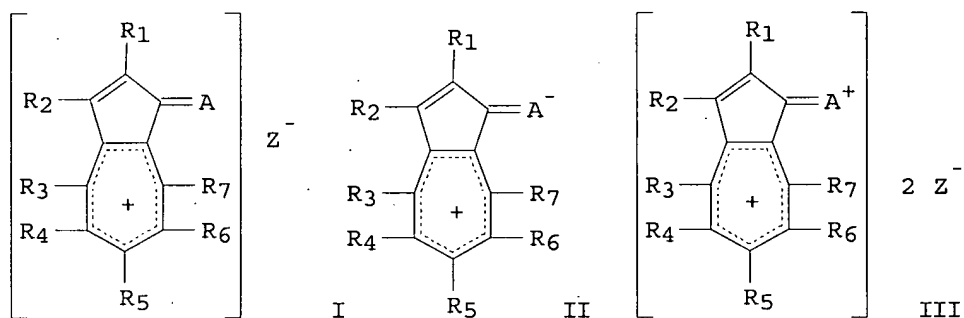
CCI CCS



L8 ANSWER 20 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1989:183055 CAPLUS
 DOCUMENT NUMBER: 110:183055
 TITLE: Laser optical recording material containing organic dyes
 INVENTOR(S): Oguchi, Yoshihiro; Horiike, Tetsuro; Miura, Kyo; Sugata, Hiroyuki; Takasu, Yoshio
 PATENT ASSIGNEE(S): Canon K. K., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 23 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63107590	A2	19880512	JP 1986-253302	19861023
PRIORITY APPLN. INFO.:			JP 1986-253302	19861023

GI



AB The title material contains an azulenium salt compd. represented by I, II, or III (R1-R7 = H, halogen, monovalent org. moiety; A = divalent org. moiety; Z = anion moiety) and an aminium salt compd. IV (R10 = H, alkyl; A = p-phenylene, AA; and Z = cation) or a diiminium salt compd. VI in the recording layer. This material has high C/N ratio, thermal and optical stability, and precise threshold value to laser power.

IT 102279-11-8

RL: TEM (Technical or engineered material use); USES (Uses)
 (optical recording material contg.)

RN 102279-11-8 CAPLUS

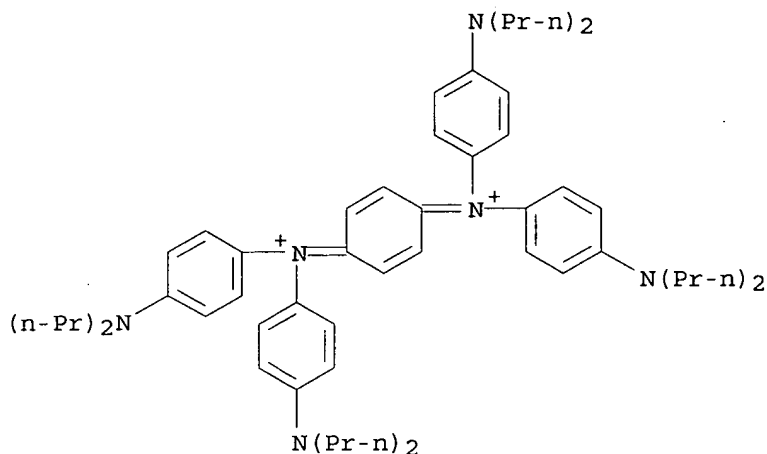
CN Benzenaminium, N,N'-2,5-cyclohexadiene-1,4-diylidenebis[4-(dipropylamino)-

N-[4-(dipropylamino)phenyl]-, bis[hexafluoroarsenate(1-)] (9CI) (CA INDEX NAME)

CM 1

CRN 47901-45-1

CMF C54 H76 N6

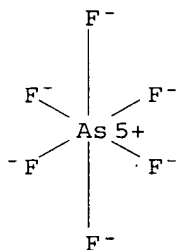


CM 2

CRN 16973-45-8

CMF As F6

CCI CCS

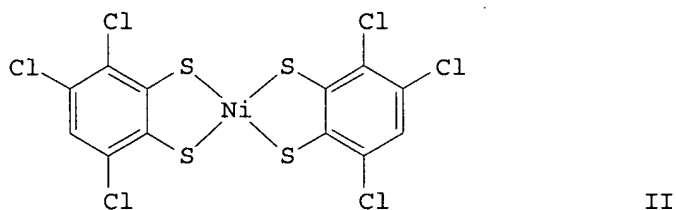
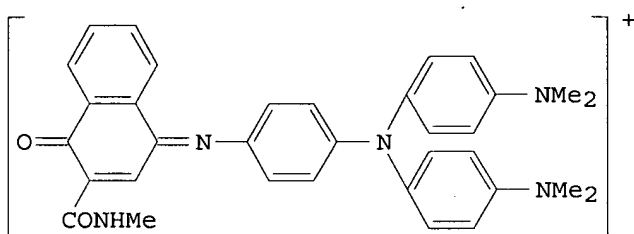
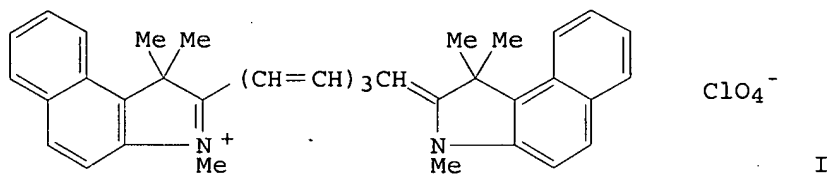


L8 ANSWER 21 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1988:519775 CAPLUS
DOCUMENT NUMBER: 109:119775
TITLE: Optical recording materials containing polymethine dye and salt
INVENTOR(S): Satoh, Tsutomu; Eida, Tatsuya; Ichinose, Keiko
PATENT ASSIGNEE(S): Ricoh Co., Ltd., Japan
SOURCE: Ger. Offen., 46 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3724981	A1	19880204	DE 1987-3724981	19870728

JP 63031792	A2	19880210	JP 1986-175515	19860728
JP 08022613	B4	19960306		
JP 63067187	A2	19880325	JP 1986-210528	19860909
JP 08022615	B4	19960306		
PRIORITY APPLN. INFO.:			JP 1986-175515	A 19860728
			JP 1986-210528	A 19860909

GI



AB An optical recording material is described which consists of a support and a thin org. recording layer composed of a polymethine dye and salt from a cation and a metal complex anion. The material has an outstanding resistance to heat and light, good stability, and low wear during the reprodn. of the recorded information. Thus, a grooved poly(Me methacrylate) support was coated with a soln. contg. I, II, and 1,2-dichloroethane on a support, dried, and then recorded upon using a semiconductor laser to show excellent results.

IT 116249-59-3

RL: USES (Uses)

(optical recording material contg. polymethine dye and)

RN 116249-59-3 CAPLUS

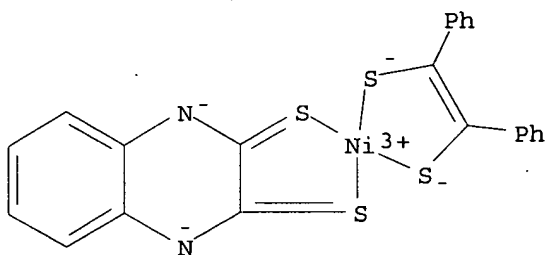
CN Nickelate(1-), [1,4-dihydro-2,3-quinoxalinedithionato(2-)-S,S'] [1,2-diphenyl-1,2-ethenedithiolato(2-)-S,S']-, salt with N,N,N',N'-tetrakis[4-(dipropylamino)phenyl]-1,4-benzenediamine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 116249-58-2

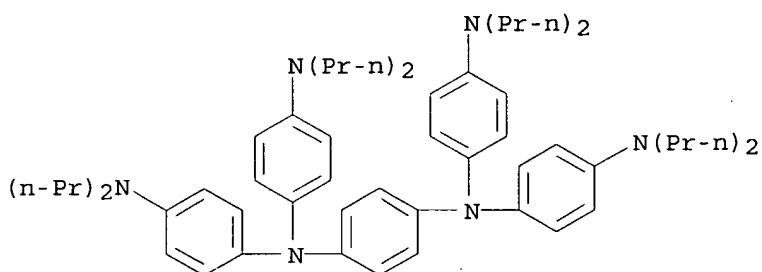
CMF C22 H14 N2 Ni S4

CCI CCS



CM 2

CRN 110993-02-7
CMF C54 H76 N6
CCI RIS



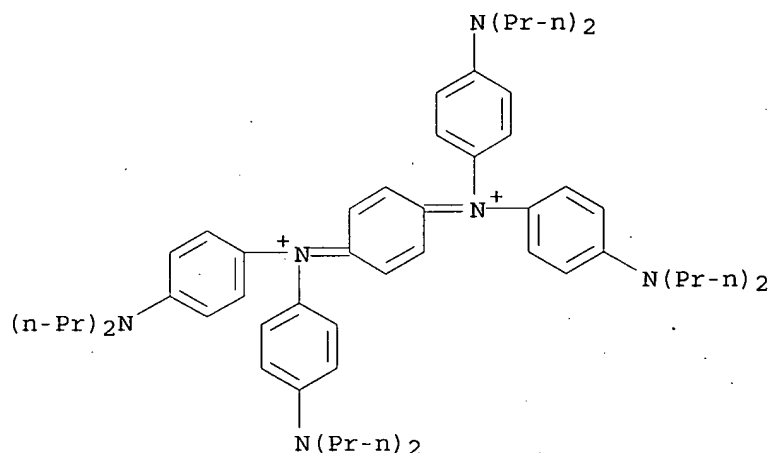
L8 ANSWER 22 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1987:626046 CAPLUS
DOCUMENT NUMBER: 107:226046
TITLE: Light-durable additives for indolenine laser recording medium and optical filters
INVENTOR(S): Sato, Giichi; Shindo, Shigeto; Numa, Tatsuya; Sumiya, Mitsukuni
PATENT ASSIGNEE(S): Nippon Kayaku Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 62050187	A2	19870304	JP 1985-188516	19850829
JP 04065796	B4	19921021		
PRIORITY APPLN. INFO.: GI			JP 1985-188516	19850829

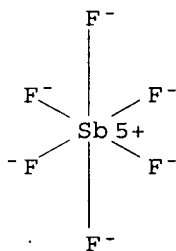
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The light durability of the indolenine dye of the formula I is improved by adding .gtoreq.1 or .gtoreq.2 compds. of the formula II-IV (R = alkyl, alkoxyalkyl, alkoxy alkoxyalkyl; A = V, VI, VII; B = H, Cl, NPh2; R1 = alkyl; E = Ph, naphthyl). A compn. contg. the indolenine dye and the additives may be used to form a laser recording medium and an IR optical

filter.
 IT 3345-80-0
 RL: USES (Uses)
 (light-durable additive, laser recording medium with recording layer
 contg. indolenine dye and, for improved light durability)
 RN' 3345-80-0 CAPLUS
 CN Benzenaminium, N,N'-2,5-cyclohexadiene-1,4-diylidenebis[4-(dipropylamino)-
 N-[4-(dipropylamino)phenyl]-, bis[(OC-6-11)-hexafluoroantimonate(1-)]
 (9CI) (CA INDEX NAME)
 CM 1
 CRN 47901-45-1
 CMF C54 H76 N6



CM 2
 CRN 17111-95-4
 CMF F6 Sb
 CCI CCS



L8 ANSWER 23 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1987:424277 CAPLUS
 DOCUMENT NUMBER: 107:24277
 TITLE: Improved light-resistant UV absorber
 INVENTOR(S): Sato, Giichi; Shindo, Shigeto; Numa, Tatsuya; Sumiya, Mitsukuni
 PATENT ASSIGNEE(S): Nippon Kayaku Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent

LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 62032132	A2	19870212	JP 1985-171792	19850806
JP 04053892	B4	19920827		

PRIORITY APPLN. INFO.: JP 1985-171792 19850806

GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The light stability of UV absorber compd. (I) (R = alkyl; R1 = C2-6 alkylamino, halogen substituted Ph; X = anionic) is improved by compd. (II), (III), or (IV) (R and X ; same as above; A = substituted Ph or naphthalene) and/or metal acetylacetonate (V). A mixt. of 1 g I (R = Et; R1 = C6H4NEt2; X = ClO4), 1 g II (R = Et; X = SbF6), and 100 mL dichloroethane was coated on an acrylic plate at 2000 rpm. exhibiting H retention (ratio of absorption after exposure to initial value) 99.6% after exposure to Xenon fade meter for 82 h, vs. 0% for I only.

IT 51302-29-5 102278-59-1

RL: USES (Uses)

(additives, for UV stabilizers, improved stability)

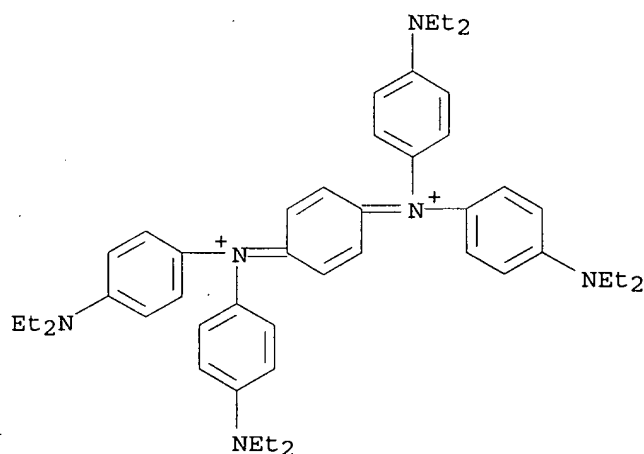
RN 51302-29-5 CAPLUS

CN Benzenaminium, N,N'-2,5-cyclohexadiene-1,4-diylidenebis[4-(diethylamino)-N-[4-(diethylamino)phenyl]-, dinitrate (9CI) (CA INDEX NAME)

CM 1

CRN 47883-84-1

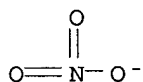
CMF C46 H60 N6



CM 2

CRN 14797-55-8

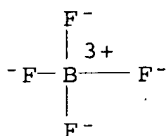
CMF N O3



RN 102278-59-1 CAPLUS
 CN 1,4-Benzenediamine, N,N,N',N'-tetrakis[4-(diethylamino)phenyl]-,
 mono[tetrafluoroborate(1-)] (9CI) (CA INDEX NAME)

CM 1

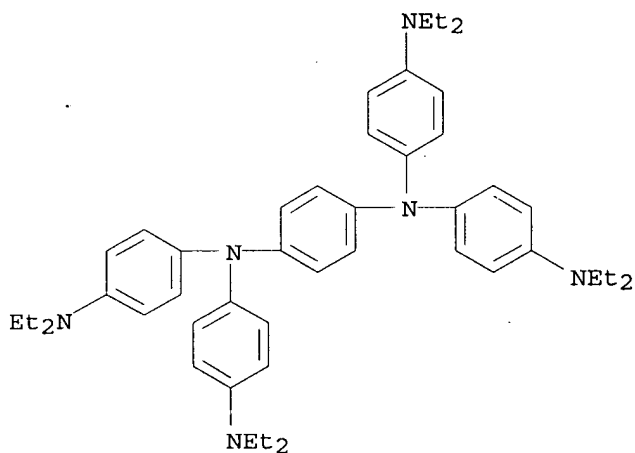
CRN 16872-11-0
 CMF B F4 . H
 CCI CCS



● H⁺

CM 2

CRN 3956-73-8
 CMF C46 H60 N6

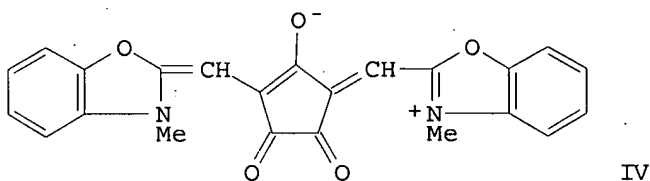
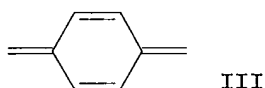
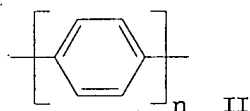
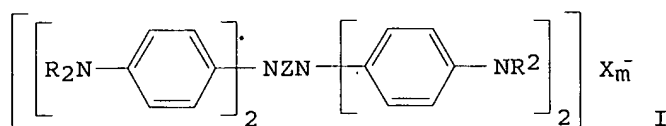


L8 ANSWER 24 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1986:234361 CAPLUS
 DOCUMENT NUMBER: 104:234361
 TITLE: Optical information recording medium
 INVENTOR(S): Sato, Tsutomu; Umehara, Masaakira; Abe, Michiharu;
 Oba, Hideaki; Ueda, Yutaka
 PATENT ASSIGNEE(S): Ricoh Co., Ltd., Japan
 SOURCE: Brit. UK Pat. Appl., 18 pp.
 CODEN: BAXXDU
 DOCUMENT TYPE: Patent

LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2155811	A1	19851002	GB 1985-3022	19850206
GB 2155811	B2	19870121		
JP 06026028	B4	19940406	JP 1984-18222	19840206
JP 60236131	A2	19851122	JP 1984-91922	19840510
US 4656121	A	19870407	US 1985-698701	19850206
PRIORITY APPLN. INFO.:			JP 1984-18222	A 19840206
			JP 1984-91922	A 19840510

GI



AB A laser optical recording material is comprised of a plastic substrate and an org. recording layer and, optionally, an underlayer and/or a protective layer in which .gtoreq.1 of the layers contains a compd. of the formula I (R = H, lower alkyl; Z = II where n = 1, 2, III; X = acid anion; m = 0, 1, 2 being 2 when Z = II; each of the arom. rings in the compd. may be substituted with .gtoreq.1 halogen, lower alkyl, lower alkoxy, or OH). A polymethine compd. may also be contained in the recording layer as a coloring material. Thus, a 1,2-dichloroethane soln. of a 1:1 mixt. of I (R = Et; Z = phen-1,4-ylene; X-m = BF₄⁻) and IV was spin-coated on a 1.2 mm poly(Me methacrylate) support to give a recording layer (700 .ANG. thick). The resultant laser recording material required a writing power of 3.3 mW, had a reflectivity of 25.5%, and exhibited a C/N ratio of 52 dB vs. 3.5 mW, 20.9%, and 46 dB, resp., after light irradsn. for 50 h.

IT 102278-59-1 102278-73-9 102279-11-8

RL: USES (Uses)

(laser optical recording layer contg. polymethine coloring agent and)

RN 102278-59-1 CAPLUS

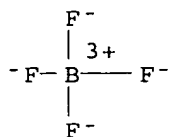
CN 1,4-Benzenediamine, N,N,N',N'-tetrakis[4-(diethylamino)phenyl]-, mono[tetrafluoroborate(1-)] (9CI) (CA INDEX NAME)

CM 1

CRN 16872-11-0

CMF B F4 . H

CCI CCS

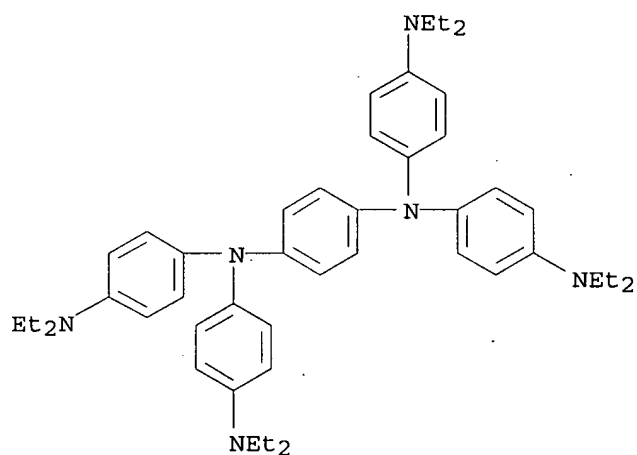


● H⁺

CM 2

CRN 3956-73-8

CMF C46 H60 N6



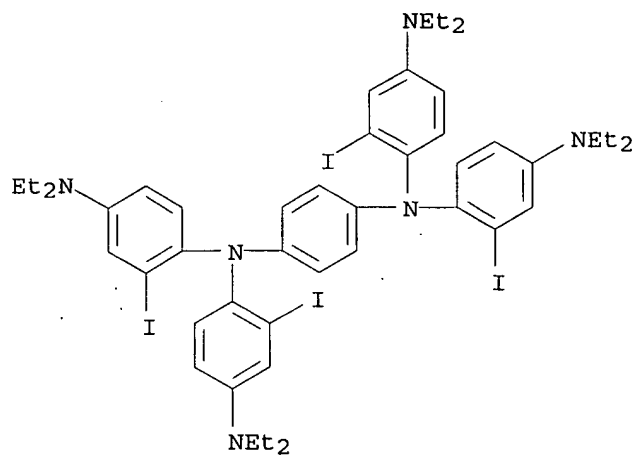
RN 102278-73-9 CAPLUS

CN Antimonate(1-), hexafluoro-, (OC-6-11)-, hydrogen, compd. with
N,N,N',N'-tetrakis[4-(diethylamino)-2-iodophenyl]-1,4-benzenediamine (1:1)
(9CI) (CA INDEX NAME)

CM 1

CRN 102278-72-8

CMF C46 H56 I4 N6

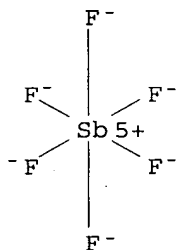


CM 2

CRN 16950-06-4

CMF F6 Sb : H

CCI CCS



● H⁺

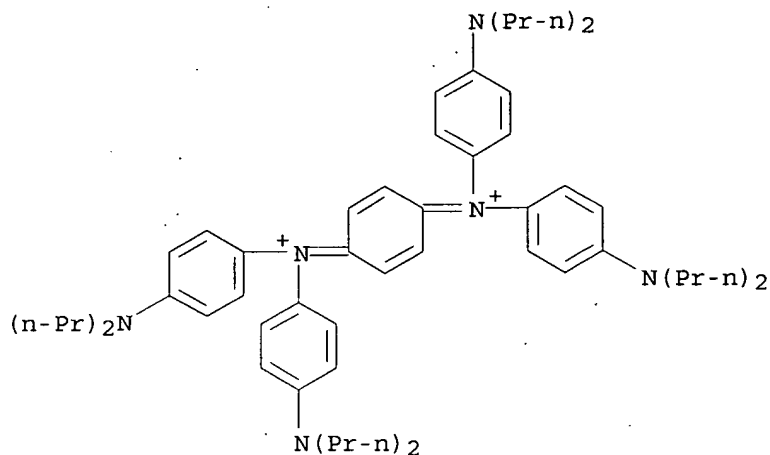
RN 102279-11-8 CAPLUS

CN Benzenaminium, N,N'-2,5-cyclohexadiene-1,4-diylidenebis[4-(dipropylamino)-N-[4-(dipropylamino)phenyl]-, bis[hexafluoroarsenate(1-)] (9CI) (CA INDEX NAME)

CM 1

CRN 47901-45-1

CMF C54 H76 N6

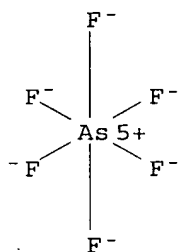


CM 2

CRN 16973-45-8

CMF As F6

CCI CCS



L8 ANSWER 25 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1975:73615 CAPLUS
 DOCUMENT NUMBER: 82:73615
 TITLE: Aminium and diiminium salts used as polymerization inhibitors of diallyl diglycol carbonate
 INVENTOR(S): Sherr, Allan E.
 PATENT ASSIGNEE(S): American Cyanamid Co.
 SOURCE: U.S., 3 pp. Division of U. S. 3,715,386 (CA 78;136,978t).
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3770793	A	19731106	US 1972-259179	19720602
US 3715386	A	19730206	US 1970-37867	19700515
PRIORITY APPLN. INFO.:			US 1970-37867	A3 19700515

GI For diagram(s), see printed CA Issue.

AB Mixing of I (R = amyl, Bu, Et, Me, X = SbF6, AsF6, ClO4), a bis(p-dialkyl aminophenyl) [N,N-bis(p-dialkylaminophenyl)-p-aminophenyl]aminium salt of SbF6 or CCl3CO2, or a N,N,N',N'-tetrakis(p-dialkylaminophenyl)-p-benzoquinonediiminium salt of SbF6, PhSO3, BF4, or NO3 with an acrylate monomer or diallyl diglycerol carbonate (II) [39219-02-8] prevented the

polymn. of the monomers during storage for an extended period of time without causing undesirable effects on polymers. Me methacrylate (III) [80-62-6] contg. 1 ppm tris(p-dimethylaminophenyl)aminium hexafluoroantimonate (I, R = Me, X = SbF₆) [39219-23-3], 1 ppm bis(p-diethylaminophenyl) [N,N-bis(p-diethylaminophenyl)-p-aminophenyl]aminium hexafluoroantimonate [4263-38-1] and 1 ppm N,N,N',N'-tetrakis(p-dibutylaminophenyl)-p-benzoquinonebis(imonium hexafluoroantimonate) gelled after 8, 12, and 8 weeks resp., whereas III contg. 10 ppm I (R = Me, X = SbF₆) gelled after 14 months. The II contg. 1 ppm I (R = Me, X = SbF₆) gelled after 8 weeks.

IT 51302-29-5

RL: USES (Uses)

(polymn. inhibitor for acrylates)

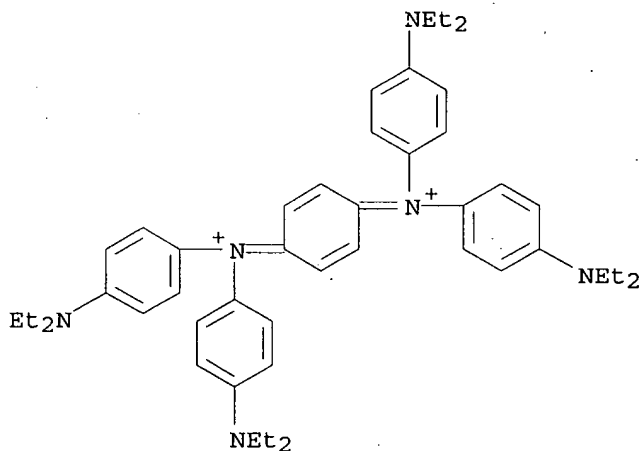
RN 51302-29-5 CAPLUS

CN Benzenaminium, N,N'-2,5-cyclohexadiene-1,4-diylidenebis[4-(diethylamino)-N-[4-(diethylamino)phenyl]-, dinitrate (9CI) (CA INDEX NAME)

CM 1

CRN 47883-84-1

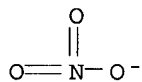
CMF C46 H60 N6



CM 2

CRN 14797-55-8

CMF N O3



L8 ANSWER 26 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1965:471636 CAPLUS

DOCUMENT NUMBER: 63:71636

ORIGINAL REFERENCE NO.: 63:13145h,13146a-e

TITLE: N,N,N',N'-Tetraphenyl-p-phenylenediamines and benzidines and their quaternary ammonium salts

INVENTOR(S): Susi, Peter V.; Weston, Norman A.

PATENT ASSIGNEE(S): American Cyanamid Co.

SOURCE: 62 pp.

DOCUMENT TYPE: Patent

LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 1398240		19650507	FR 1964-974625	19640515
US 3251881		19660517	US 1963-295524	19630716

PRIORITY APPLN. INFO.:

US

19630516

GI For diagram(s), see printed CA Issue.

AB Compds. of the general formulas I and II and salts of the general formulas III and IV are prepd. and can be used as ir-rays absorbers. Thus, a mixt. of 1,4-C₆H₄(NH₂)₂ 10.8, p-O₂NC₆H₄Cl 94.5, K₂CO₃ 31.7, and powd. Cu 2 in HCONMe₂ 150 parts is refluxed 48 hrs. to give 76 parts N,N,N',N'-tetrakis(p-nitrophenyl)-p-phenylenediamine (V), m. 390-2.degree. (PhNO₂). Similarly prepd. are the following I (X = NO₂) (X₁ and Y given): H, Me; Cl, Cl; MeO, H. Similarly prepd. are the following II (X = NO₂) (X₁, Y, and Y₁ given): H, H, H; Cl, H, H; Me, Me, H; Et, MeO, H; H, H, Me; H, Cl, H. V (29.6 parts) in 100 parts HCONMe₂ is hydrogenated at 90.degree. in the presence of 1 part 10% Pd-C to give 64% N,N,N',N'-tetrakis(p-aminophenyl)-p-phenylenediamine (VI), m. >300.degree. (EtOH-HCONMe₂). Similarly prepd. are the following I (X = NH₂) (X₁ and Y given): H, Me; Cl, Cl; MeO, H. Similarly prepd. are the following II (X = NH₂) (X₁, Y, and Y₁ given): H, H, H, [m. 313-16.degree. (HCONMe₂-EtOH)]; Cl, H, H; Me, Me, H; Et, MeO, H; H, H, Me; H, Cl, H. A mixt. of VI 14.2, EtI 56.2, and K₂CO₃ 33.1 in 80% aq. Me₂CO 200 parts is refluxed 4 hrs. to give N,N,N',N'-tetrakis(p-diethylaminophenyl)-p-phenylenediamine (VII), m. 214-15.degree. (HCONMe₂-EtOH). Similarly prepd. are the following I (X₁ = Y = H) (X and m.p. given): Me₂N, 271-3.degree.; Pr₂N, 157-8.degree.; Bu₂N, 92-4.degree.; dioctylamino, -; didodecylamino, -; EtNH, -. Similarly prepd. is II (X₁ = Y = Y₁ = H, X = Et₂N), m. 213-14.5.degree. (HCONMe₂). VII 3.49 in HCONMe₂ 23 is treated with AgAsF₆ 1.49 in HCONMe₂ 25 parts to give 3.5 parts bis(p-diethylaminophenyl) [N,N-bis(p-diethylaminophenyl)-p-aminophenyl]ammonium hexafluoroarsenate, III (X = Et₂N, Z = AsF₆), m. 184-5.degree., a green solid. A soln. of 1.39 parts VII in 20 parts Me₂CO is treated with AgSbF₆ to give VIII, m. 216.degree. (decomn.). Also prepd. are the following III (X, Z, and m.p. given): Me₂N, AsF₆, 180-2.degree.; Me₂N, SbF₆, 184-5.degree.; Et₂N, SbF₆, 186-7.degree.; Et₂N, BF₄, 170-2.degree.; Pr₂N, AsF₆, 214-16.degree.; Pr₂N, SbF₆, 215-16.degree.; Bu₂N, AsF₆, 170.degree.; Bu₂N, SbF₆, 175.degree.; (C₈H₁₇)₂N, SbF₆, -; (C₁₂H₂₅)₂N, SbF₆, -. Also prepd. are the following IV (X = Et₂N) (Z given): AsF₆, ClO₄, SbF₆.

IT 3345-80-0, Benzenaminium, N,N'-2,5-cyclohexadiene-1,4-diylidenebis[4-(dipropylamino)-N-[4-(dipropylamino)phenyl]-, bis[(OC-6-11)-hexafluoroantimonate(1-)] (prepn. of)

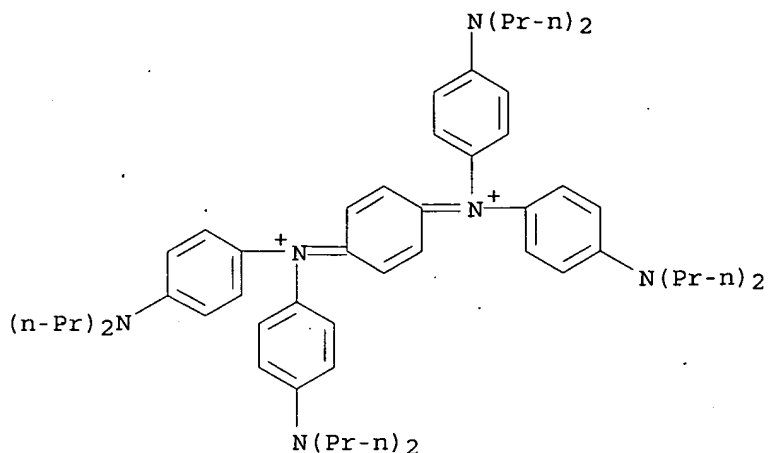
RN 3345-80-0 CAPLUS

CN Benzenaminium, N,N'-2,5-cyclohexadiene-1,4-diylidenebis[4-(dipropylamino)-N-[4-(dipropylamino)phenyl]-, bis[(OC-6-11)-hexafluoroantimonate(1-)] (9CI) (CA INDEX NAME)

CM 1

CRN 47901-45-1

CMF C54 H76 N6

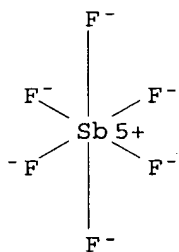


CM 2

CRN 17111-95-4

CMF F6 Sb

CCI CCS



=> file caplus
COST IN U.S. DOLLARS

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

CA SUBSCRIBER PRICE

SINCE FILE ENTRY	TOTAL SESSION
65.00	240.51

SINCE FILE ENTRY	TOTAL SESSION
-9.00	-9.00

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